

Contents

v

<i>List of contributors</i>	vii
<i>Preface</i>	xv
Part I Bacterial adhesins and adhesive structures	1
1 Surface protein adhesins of staphylococci	3
<i>Timothy J. Foster</i>	
2 Mechanisms of utilization of host signalling molecules by respiratory mucosal pathogens	27
<i>Muntaz Virji</i>	
3 Adhesive surface structures of oral streptococci	59
<i>Roderick McNab, Pauline S. Handley and Howard F. Jenkinson</i>	
4 Regulation and function of phase variation in <i>Escherichia coli</i>	89
<i>Ian Blomfield and Marjan van der Woude</i>	
5 Regulation of capsule expression	115
<i>Clare Taylor and Ian S. Roberts</i>	
6 Role of pili in <i>Haemophilus influenzae</i> adherence, colonization and disease	139
<i>Janet R. Gilsdorf</i>	

Part II	Effect of adhesion on bacterial structure and function	163
7	Transcriptional regulation of meningococcal gene expression upon adhesion to target cells	165
	<i>Muhammed-Kheir Taha</i>	
8	Induction of protein secretion by <i>Yersinia enterocolitica</i> through contact with eukaryotic cells	183
	<i>Dorothy E. Pierson</i>	
9	Functional modulation of pathogenic bacteria upon contact with host target cells	203
	<i>Andreas U. Kresse, Frank Ebel and Carlos A. Guzmán</i>	
Part III	Consequences of bacterial adhesion for the host	221
10	Adhesion, signal transduction and mucosal inflammation	223
	<i>Catharina Svanborg, Goran Bergsten, Hans Fischer, Bjorn Frendéus, Gabriela Godaly, Erika Gustafsson, Long Hang, Maria Hedlund, Ann-Charlotte Lundstedt, Martin Samuelsson, Patrik Samuelsson, Majlis Svensson and Bjorn Wulft</i>	
11	Adhesion of oral spirochaetes to host cells and its cytopathogenic consequences	247
	<i>Richard P. Ellen</i>	
12	Interactions between enteropathogenic <i>Escherichia coli</i> and epithelial cells	277
	<i>Elizabeth L. Hartland, Gad Frankel and Stuart Knutton</i>	
13	Host cell responses to <i>Porphyromonas gingivalis</i> and <i>Actinobacillus actinomycetemcomitans</i>	299
	<i>Richard J. Lamont</i>	
	Index	323

Plate section is between pp. 240 and 241.